

**PROCEDURES FOR THE VERIFICATION OF CRITICAL
DIMENSIONS OF MOLDS
AASHTO T 245**

A. PURPOSE

This method provides instruction for the verification of critical dimensions of molds used in asphalt testing and aggregate unit weights.

B. APPARATUS REQUIRED

Calipers capable of measuring the height and inside diameter of the molds and readable to 0.001 inch.

C. PROCEDURES

1. Measure and record the inside diameter of the mold to the nearest 0.001 inch. Record measurement. Rotate mold 90° (1/4 turn) and measure and record the diameter again.
2. Invert (turn the mold over) and repeat Step 1.
3. Measure the height of the mold along its side, rotate mold 90° (1/4 turn) and measure height. Continue this procedure until four (4) measurements are obtained.

D. TOLERANCE

Critical dimensions shall meet the requirements specified in AASHTO Test Method T 245 (3.995 – 4.005). The mold is considered out of tolerance if any one measurement does not meet specifications.

EQUIPMENT CALIBRATION RECORD

Calibrated By: _____	Date: _____
Equipment: <u>Compaction Molds</u>	Location (Lab): _____
Identification No.: _____	Calibration Frequency: <u>12 months</u>
Previous Calibration Date: _____	Next Due Date: _____
Verification Equipment Used: Calipers, ID #: _____	
Verification Procedure: <u>(In-house) OMR-CVP-36 / AASHTO T 245</u>	

ID Number	Initial Side		Reverse Side		Height		Checked by